



Environment green, we can do it~

Active Optical Cable

A.O.C

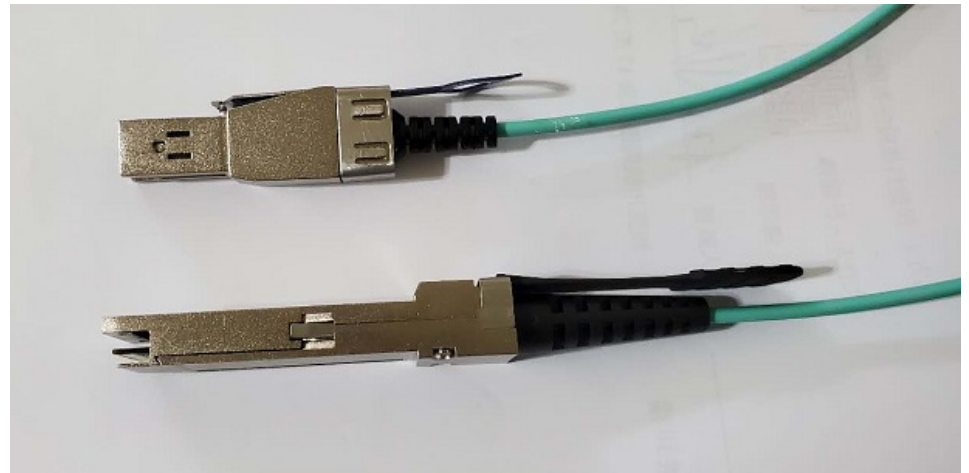
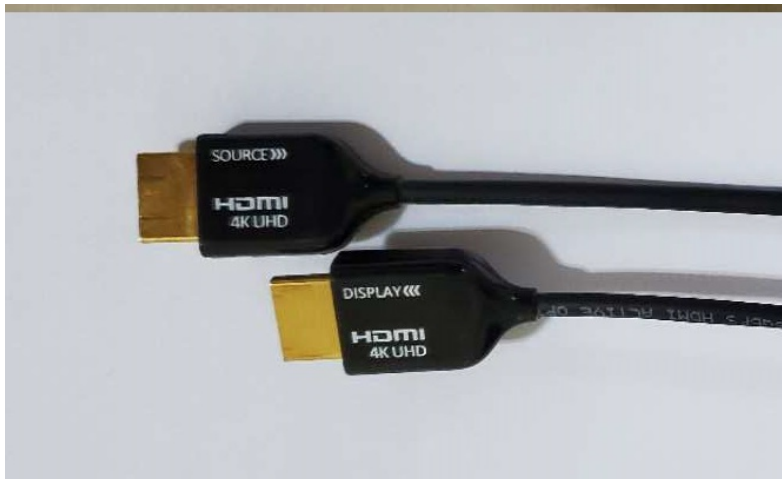
Connecting *Idea & Technology*



What we have done for A.O.C ?

HDminiSAS SFF-8644) to SFF-8644 -----	12x4G
HDminiSAS SFF-8644 to QSFP+ -----	12x4G
SFP+ (SFF-8431) -----	10x1G
SFP28 (SFF-8402) -----	25x1G
QSFP+ (SFF-8436) -----	10x4G
QSFP28 (SFF-8636) -----	25x4G

HDMI 4K AOC



How we make A.O.C ? And its benefit?

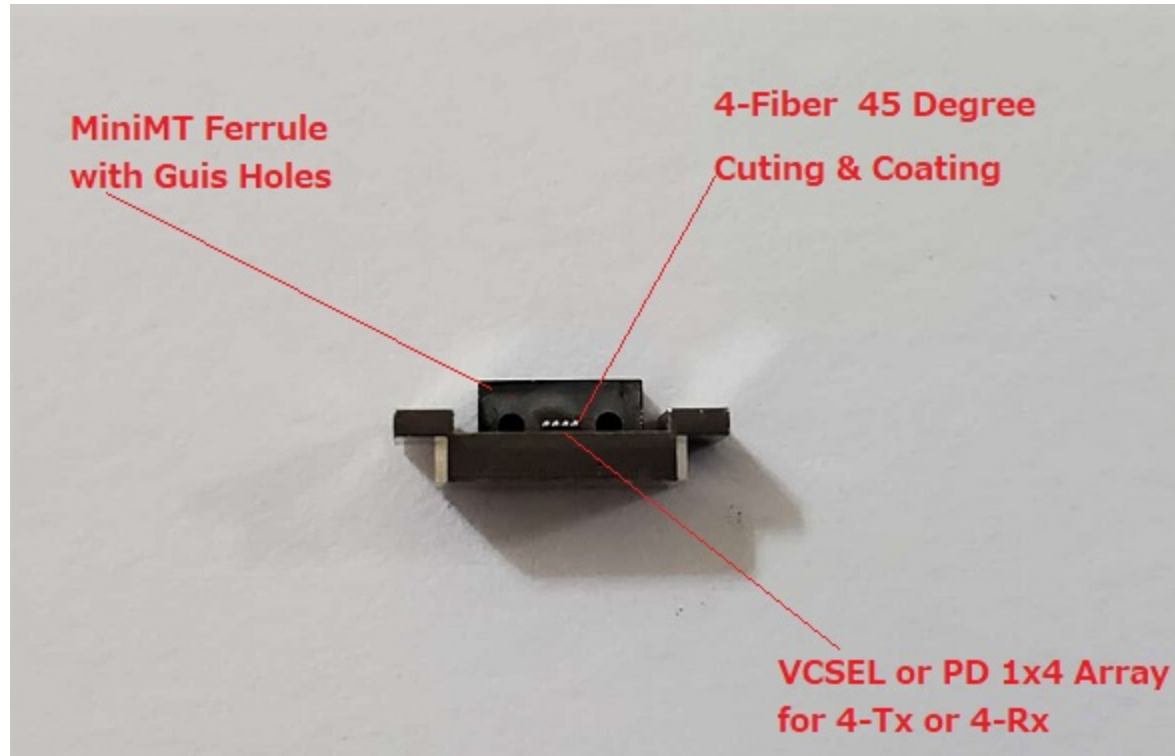
MiraDeed Self-Owned optical engine Technology (Patented)

Flexible Optical Engine component

Can Pre-Assembled by 1x4 Array or 1x1 Single Die (VCSEL + PD) or 1x2 VcseL + 1x1 PD on a submount. Use as O.E for several applications.

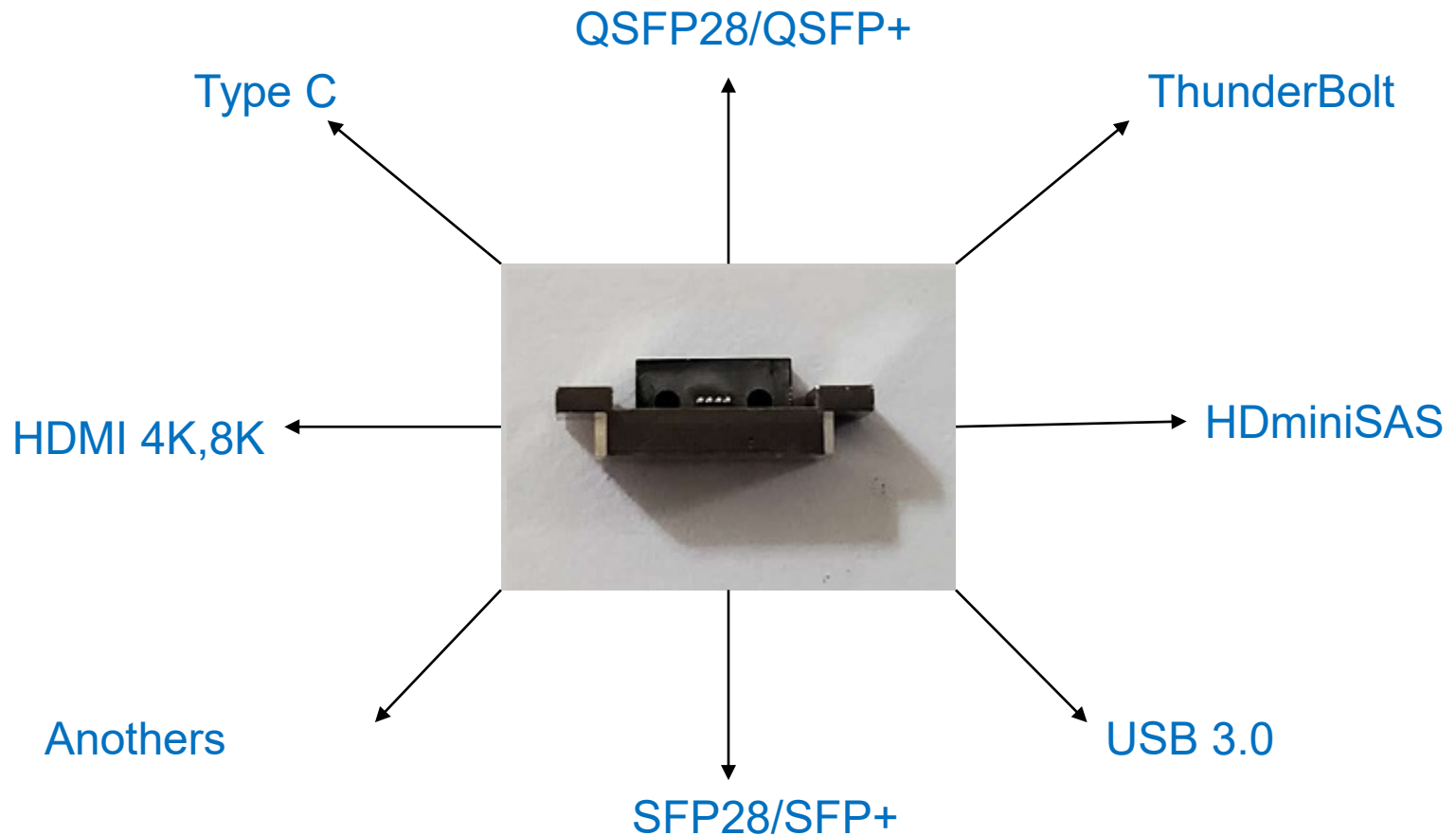
Easy for Schematics layout

Cost effective in post-production



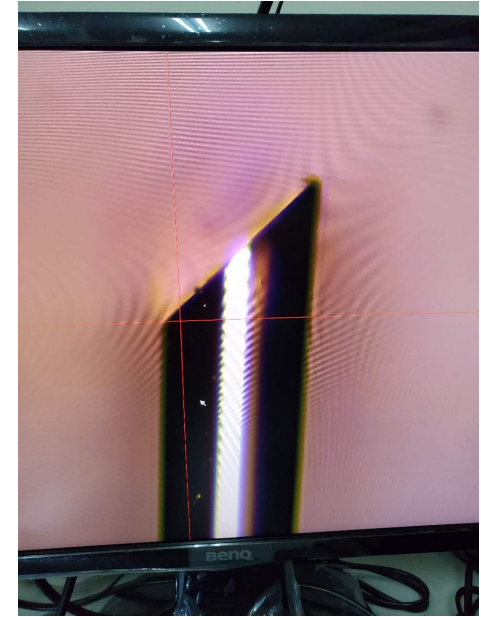
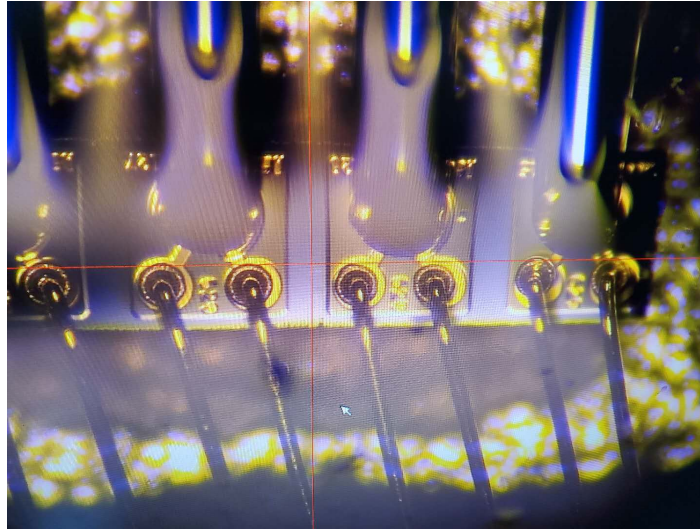
What kind of A.O.C we can do?

As long as speed lower than 28G per channel, it's easy and quickly implement to your applications

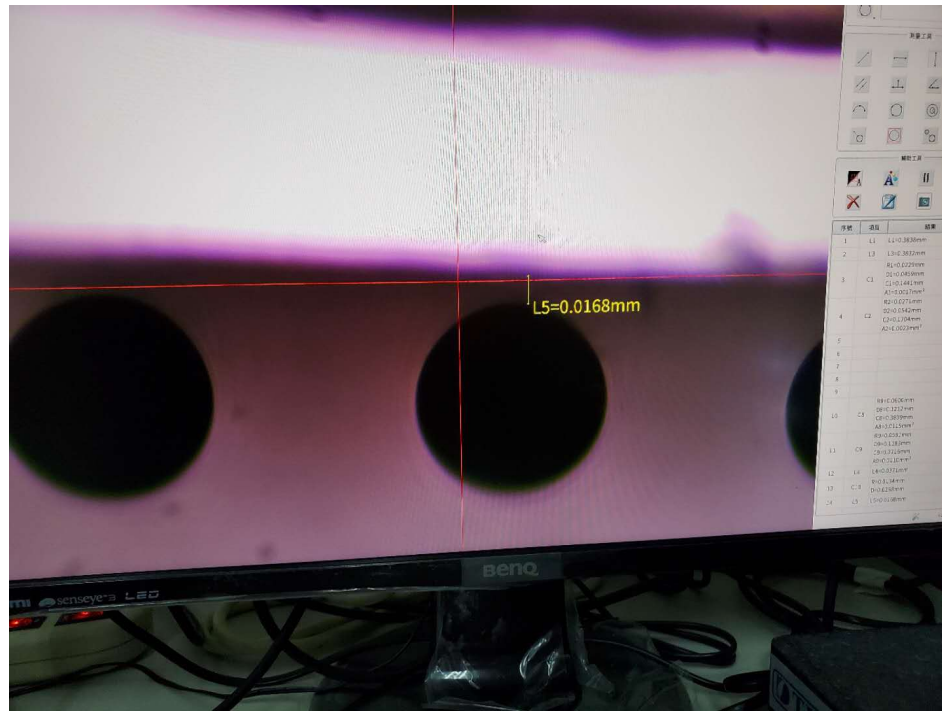


More detail of OE

VCSEL/PD on submount and
45 Degree Fiber



The spacing between
fiber and VCSEL/PD is
 $0.0168 < 20\mu\text{m}$

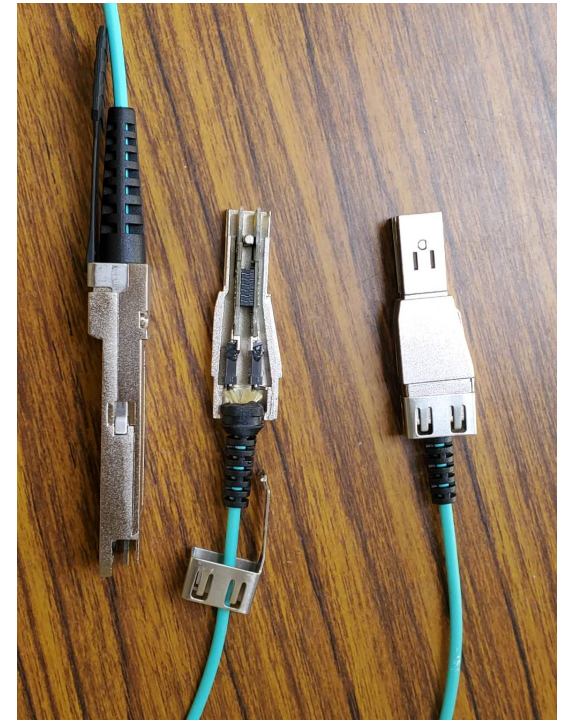
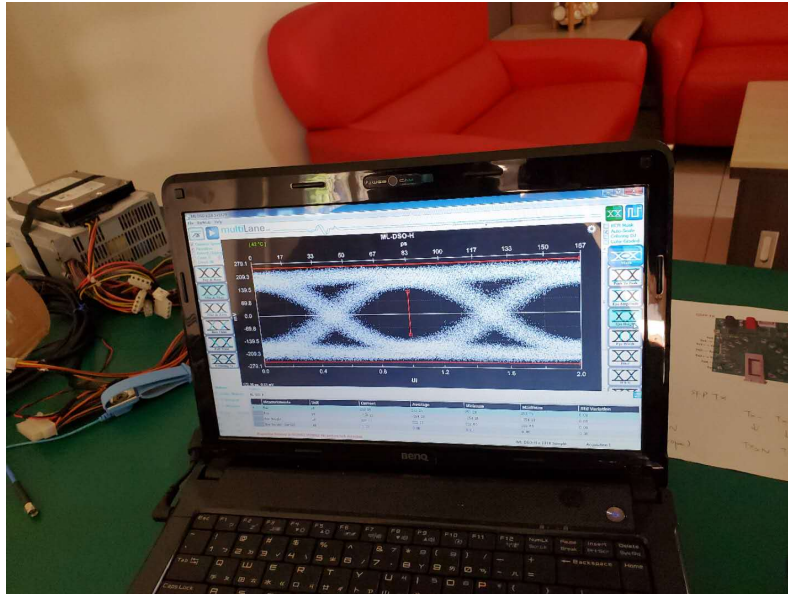
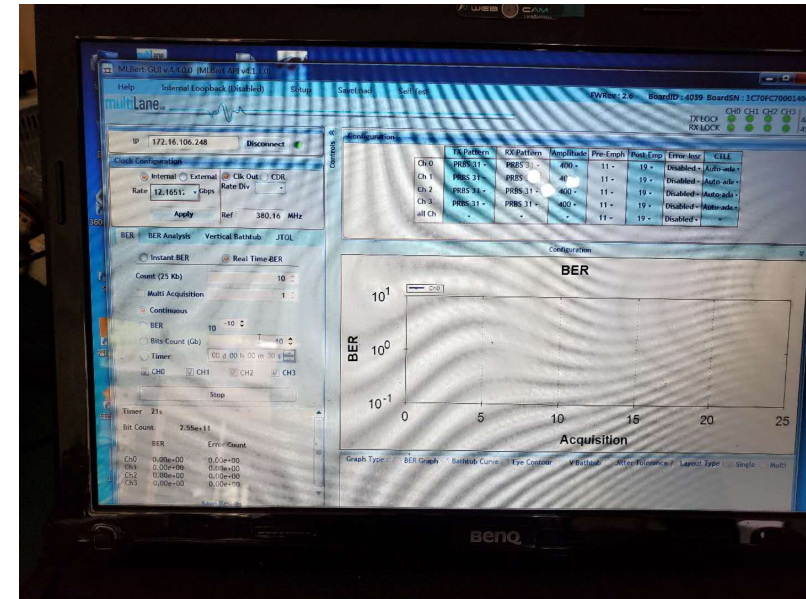


Performance Example

HDminiSAS to QSFP+ AOC

BERT@12G

Eye-Pattern



Thanks for your Patient



Connecting Idea and Technology



MiraDeed *Products*

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